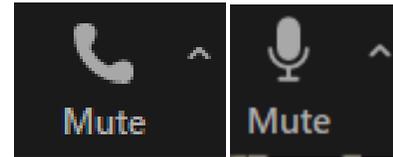


Columbia Basin Collaborative Predation Work Group

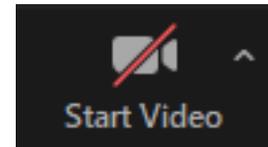
**December 6, 2022
2:00pm - 4:00pm PT**

Zoom Webinar Features – Work Group Members

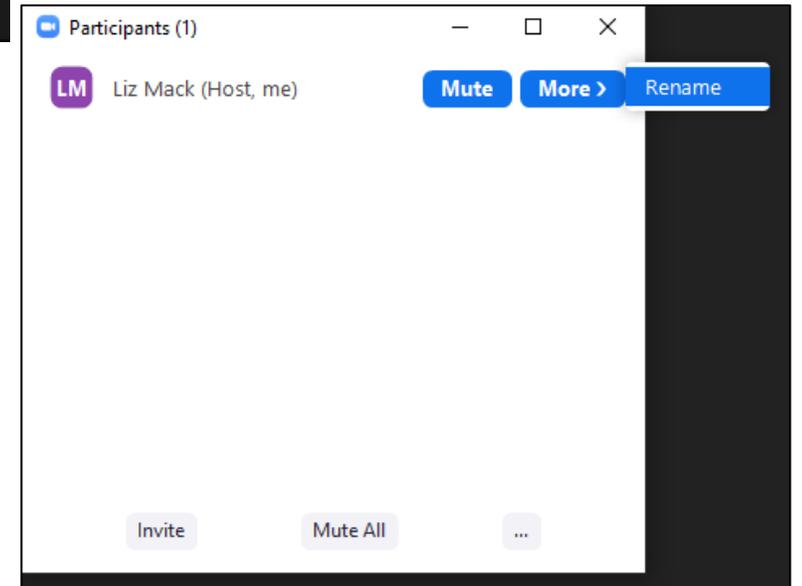
Keep yourself on mute when not speaking.



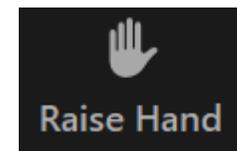
Use video, if possible, to promote face to face communication.



If needed rename yourself in the participant panel.

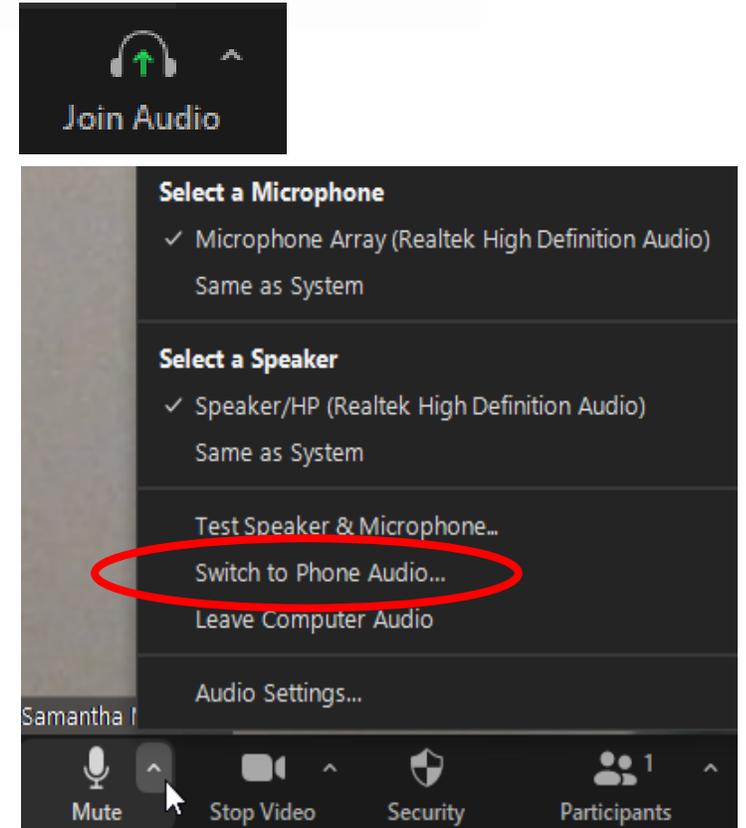


Find your raise hand function at the bottom of your screen



Zoom Webinar Features

- If you have not **connected your audio**, click on the “Join Audio” at the bottom left of your screen.
- To **switch to phone**, click the arrow next to the microphone icon and select “Switch to Phone Audio”.
- If you have joined by browser, please click “Audio Settings”

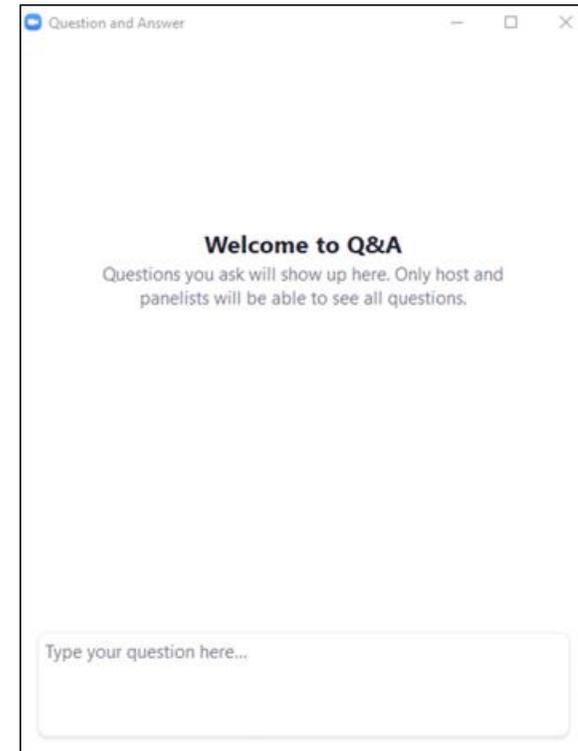
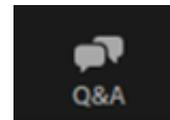


For technical support, please contact Angela Hessenius

Zoom Webinar Features – Audience Members

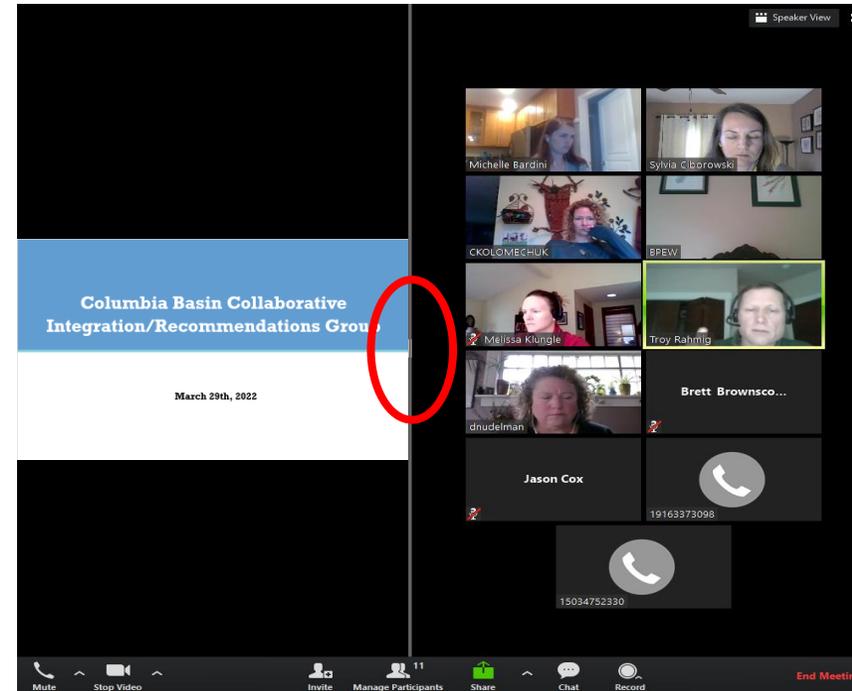
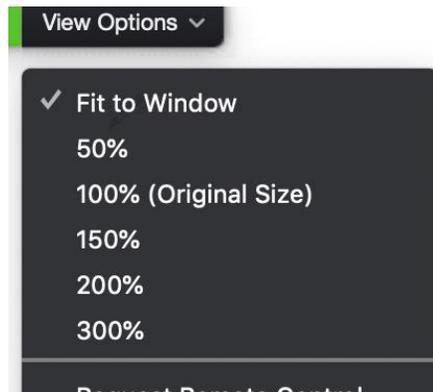
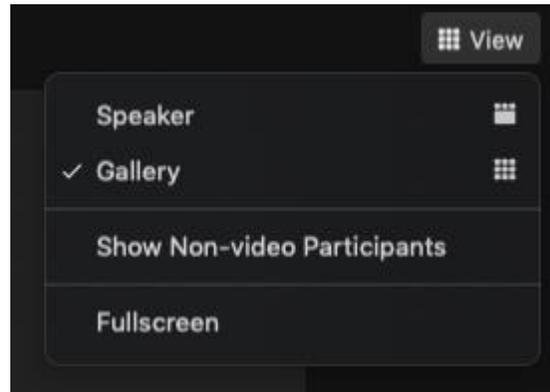
Audience members will remain muted.

If you have technology issues, please use the Q&A feature to reach our team



Zoom Webinar View Options

Adjust view options



For technical support, please contact Angela Hassenius

Welcome, Agenda Review, and Updates

Collaboration

Focus on your interests, not positions

Invent options for mutual gain

Separate the people from the problem



Meeting Guidelines

- Honor the agenda
- Listen to understand and ask questions to clarify
- Balance speaking time
- Don't pile on
- Be present



Agenda Review

Time(PT)	Topic
2:00 – 2:10pm	Welcome, Agenda Review, and Updates
2:10 – 2:25pm	Work Plan Review and Discussion of Defining Success
2:25 – 2:45pm	Review of Existing Programs
2:45 – 3:15pm	Review Recommended Action Form
3:15 – 3:50pm	Develop Short Term Recommendations <ul style="list-style-type: none">• What actions / recommendations could expand/improve benefit of existing programs?• What actions / recommendations could address barriers to expanding existing programs / taking beneficial actions? (e.g., smallmouth bass in Oregon – regulatory barrier)
3:50 – 4:00pm	Confirm Next Steps, Upcoming Meeting Topics, and Summary

Work Plan Review and Discussion of Defining Success

Predation Work Plan

Meeting	Goals
Kick off	Introduction to CBC Predation Work Group <ul style="list-style-type: none">• Come to shared understanding of the assignment from the I/RG and information available from the CBPTF• Identify existing forums, gaps, and funding needs and sources• Start developing work plan Assess gaps in existing forums, science, and funding
Meeting 2:	Finalize work plan <ul style="list-style-type: none">• Review summary of existing programs and effectiveness• Define what “success” looks like• Correlate programs, challenges and solutions with specific predators• Assess predator specific challenges and opportunities, including those exacerbated by habitat
Meeting 3:	Develop short term recommendations <ul style="list-style-type: none">• Develop research/data requests• Identify budget needs and requests
Meeting 4:	Develop long term recommendations <ul style="list-style-type: none">• Include research/data questions and requests• Build consensus around recommendations to go to the Science Integration Work Group and the I/RG

Definitions of Success

- Changes in life cycle survival for salmon
- Survival to adulthood
 - Adults reaching spawning grounds/able to be harvested
 - Adult equivalent survival metric
- Survival at all life stages
 - Juvenile survival metric (use to filter efforts that might or might not lead to adult survival)
- Overall abundance of fish
- Basin-wide hydro system survival
- Survival through predation hotspots (also heard caution against a hotspot focus)
- Decline in overall consumption of salmon at different life stages
- Reduce predation by non-natives
- Persistence of the reduction in predation
- Reduce recruitment low recruitment of new predators to the system
 - Remove habituated animals
- *Prevent overall increase of predation*
- *Minimize the range expansion of non-native fish predators*

Review Existing Predation Mitigation Programs

Recommended Action Form

1. Work Group developing the action:
2. Summary of action:
 - a. Is this part of an existing program or new program?
3. Benefit: (link to matrices)
 - a. What benefit will the action provide?
 - b. What data support this?
4. Entities that would implement that action:
5. Timing:
 - a. How long will it take to implement that action?
 - b. How long until fish populations benefit from action?
6. Stock(s) benefited by the action and magnitude of benefit for each stock(s)
7. Estimated cost:
8. Uncertainties related to the action:
9. Regulatory processes or policies associated with the action:
10. Potential challenges:
11. Adaptive management (describe how this will be incorporated into to action):

Sources of Predation

AVIAN



MARINE MAMMAL



PISCINE



CBP Focus Species

CASPIAN TERNS, DOUBLE-CRESTED CORMORANTS, CA AND RING-BILLED GULLS

CALIFORNIA SEA LIONS, STELLER SEA LIONS, SEALS, *ORCAS**

NORTHERN PIKEMINNOW, WALLEYE, SMALLMOUTH BASS

Next Steps

- Fill in inventory of existing programs
- KW: Send volunteer assignments and meeting materials
- Volunteer Subgroups develop recommendations
- Review shared Work Group folder
- Review Meeting summary before next meeting



Photo credit: ODFW

Upcoming Meeting Topics

- Introduction to new and pending programs/actions
- Consensus building on current recommendations



Thank you!

